

Summary of Detections Above a Drinking Water Standard

GAMA Domestic Well Project – Tehama County Focus Area (2005)

Total Number of Wells Sampled: 223

Chemical Constituent of Concern	Wells Above Public Drinking Water Standards		Range of Detections Above Public Drinking Water Standards	Public Drinking Water Standards		
	Number	Percent		MCL	SMCL	NL
Bacteria Indicators						
Total Coliform	56	25%	NA	Present		
Fecal Coliform	3	1%	NA	Present		
Metals						
Arsenic	28	13%	10 - 25 µg/L	10 µg/L		
Iron	31	14%	310 - 9700 µg/L		300 µg/L	
Aluminum	5	2%	200 - 700 µg/L	1,000 µg/L	200 µg/L	
Chromium	1	<1%	200 µg/L	50 µg/L		
Manganese	19	9%	57 - 490 µg/L		50 µg/L	
Lead	2	1%	22 - 66 µg/L			15 µg/L
Major Ions & General Chemistry						
Nitrate (NO ₃ ⁻)	2	<1%	49 - 60 mg/L	45 mg/L		
Nitrite (N)	2	<1%	1.3 - 1.6 mg/L	1.0 mg/L		

Notes:

California Department of Public Health (CDPH) Public Drinking Water Standards used for comparison purposes only. Domestic well water quality in California is not regulated.

MCL = CDPH Primary Maximum Contaminant Level; SMCL = CDPH Secondary Maximum Contaminant Level; NL = CDPH Notification Level

NA = Coliform are evaluated on a presence/absence criteria. No range can be determined.

µg/L = micrograms per liter; mg/L = milligrams per liter